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**Number of Patents:** 5 **Number of Countries:** 3 **Number of Legal Status Entries:** 4  
**Patent Basic (No,Kind,Date):** US 20030217057 A1 20031120

**Contents using method, contents using system, contents using program, and server and electronic device used in same system (English)**

**Patent Assignee:** NEC CORP (JP)

**Author (Inventor):** KUROIWA MINORU (JP); IKEDA KOUJI (JP)

**Record Type:** Legal Status; Abstract

#### Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Update
CN 1460940	A	20031210	CN 2003136236	A	20030519	200351
CN 1303549	C	20070307	CN 2003136236	A	20030519	200711
JP 2003339000	A	20031128	JP 2002143875	A	20020517	200351
JP 4192498	B2	20081210	JP 2002143875	A	20020517	200903
US 20030217057	A1	20031120	US 2003430315	A	20030507	200348 (B)

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Application Number	Kind	Date
JP2002143875	A	20020517

#### CHINA (CN)

##### China (CN) Patent(s):

**Patent (Number,Kind,Date):** CN 1460940 A 20031210

**Content using method and system, servicer and electronic equipment for said system (English)**

**Patent Assignee:** NEC CORP (JP)

**Author (Inventor):** SANE KUROIWA (JP); KOJI IKEDA (JP)

**Priority (Number,Kind,Date):** JP 2002143875 A 20020517

**Applic (Number,Kind,Date):** CN 2003136236 A 20030519

**ECLA:** G06F-017/30W9V; H04L-029/06; H04L-029/08N27R; H04L-029/08N35; T04L-029/08A7

**IPC + Level Value Position Status Version Action Source Office**

v. 7 main: G06F-015/00

v. 7 : G11B-027/00

v. 8 adv : G06F-0013/00 A I F R 20060101 20051220 M JP

v. 8 adv : G06F-0017/30 A I R 20060101 20051008 M EP

v. 8 adv : H04L-0029/06 A I R 20060101 20051008 M EP

v. 8 adv : H04L-0029/08 A I R 20060101 20070721 M EP

v. 8 adv : H04L-0029/08 A N R 20060101 20051008 M EP

v. 8 adv : H04N-0005/76 A I L R 20060101 20051220 M JP

v. 8 adv : H04N-0005/765 A I L R 20060101 20051220 M JP  
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v. 8 core: G06F-0013/00 C I F R 20060101 20051220 M JP  
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v. 8 core: H04L-0029/08 C I R 20060101 20070721 M EP  
v. 8 core: H04L-0029/08 C N R 20060101 20051008 M EP  
v. 8 core: H04N-0005/76 C I L R 20060101 20051220 M JP  
v. 8 core: H04N-0005/765 C I L R 20060101 20051220 M JP  
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Patent (Number,Kind,Date): CN 1303549 C 20070307  
Content using method and system, servicer and electronic equipment for said system (English)  
Patent Assignee: NEC CORP (JP)  
Author (Inventor): KOJI KUROIWA SANE IKIDA (JP)  
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v. 8 adv : G06F-0013/00 A I F R 20060101 20051220 M JP  
Orig adv : G06F-0015/00 A I F B 20060101 20070307 H CN  
v. 8 adv : G06F-0017/30 A I R 20060101 20051008 M EP  
Orig adv : G11B-0027/00 A I L B 20060101 20070307 H CN  
v. 8 adv : H04L-0029/06 A I R 20060101 20051008 M EP  
v. 8 adv : H04L-0029/08 A I R 20060101 20070721 M EP  
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v. 8 core: H04N-0005/76 C I L R 20060101 20051220 M JP  
v. 8 core: H04N-0005/765 C I L R 20060101 20051220 M JP  
v. 8 core: H04N-0005/92 C I L R 20060101 20051220 M JP  
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## China (CN) Legal Status

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CN 1303549 C		20031210	CN C06 (+)	PUBLICATION Update Week: 200924
CN 1303549 C		20040225	CN C10	REQUEST OF EXAMINATION AS TO SUBSTANCE Update Week: 200924

## JAPAN (JP)

### Japan (JP) Patent(s):

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(No title available)

Priority (Number,Kind,Date): JP 2002143875 A 20020517

Applic (Number,Kind,Date): JP 2002143875 A 20020517

ECLA: G06F-017/30W9V; H04L-029/06; H04L-029/08N27R; H04L-029/08N35; T04L-029/08A7

IPC + Level Value Position Status Version Action Source Office

v. 7 main: H04N-005/76

v. 7 : G06F-013/00

v. 7 : H04N-005/765

v. 7 : H04N-005/92

v. 8 adv : G06F-0013/00 A I F R 20060101 20051220 M JP

v. 8 adv : G06F-0017/30 A I R 20060101 20051008 M EP

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v. 8 adv : H04L-0029/08 A I R 20060101 20070721 M EP

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v. 8 adv : H04N-0005/92 A I L R 20060101 20051220 M JP

v. 8 core: G06F-0013/00 C I F R 20060101 20051220 M JP

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v. 8 core: H04L-0029/06 C I R 20060101 20051008 M EP

v. 8 core: H04L-0029/08 C I R 20060101 20070721 M EP

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v. 8 core: H04N-0005/76 C I L R 20060101 20051220 M JP

v. 8 core: H04N-0005/765 C I L R 20060101 20051220 M JP

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ECLA: G06F-017/30W9V; H04L-029/06; H04L-029/08N27R; H04L-029/08N35; T04L-029/08A7

IPC + Level Value Position Status Version Action Source Office

v. 8 adv : G06F-0013/00 A I F R 20060101 20051220 M JP

v. 8 adv : G06F-0017/30 A I R 20060101 20051008 M EP

v. 8 adv : H04L-0029/06 A I R 20060101 20051008 M EP

v. 8 adv : H04L-0029/08 A I R 20060101 20070721 M EP

v. 8 adv : H04N-0005/76 A I L R 20060101 20051220 M JP

v. 8 adv : H04N-0005/765 A I L R 20060101 20051220 M JP

v. 8 adv : H04N-0005/92 A I L R 20060101 20051220 M JP

Orig adv : H04N-0007/173 A I F B 20060101 20081120 H JP

v. 8 core: G06F-0013/00 C I F R 20060101 20051220 M JP

v. 8 core: G06F-0017/30 C I R 20060101 20051008 M EP  
v. 8 core: H04L-0029/06 C I R 20060101 20051008 M EP  
v. 8 core: H04L-0029/08 C I R 20060101 20070721 M EP  
v. 8 core: H04N-0005/76 C I L R 20060101 20051220 M JP  
v. 8 core: H04N-0005/765 C I L R 20060101 20051220 M JP  
v. 8 core: H04N-0005/92 C I L R 20060101 20051220 M JP  
Orig core: H04N-0007/173 C I F B 20060101 20081120 H JP  
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## UNITED STATES (US)

### United States (US) Patent(s):

Patent (Number,Kind,Date): US 20030217057 A1 20031120

Contents using method, contents using system, contents using program, and server and electronic device used in same system (English)

Patent Assignee: NEC CORP (JP)

Author (Inventor): KUROIWA MINORU (JP); IKEDA KOUJI (JP)

Priority (Number,Kind,Date): JP 2002143875 A 20020517

Applic (Number,Kind,Date): US 2003430315 A 20030507

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IPC + Level Value Position Status Version Action Source Office

v. 7 main: G06F-017/30

v. 8 adv : G06F-0013/00 A I F R 20060101 20051220 M JP

v. 8 adv : G06F-0017/30 A I R 20060101 20051008 M EP

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v. 8 adv : H04L-0029/08 A I R 20060101 20070721 M EP

v. 8 adv : H04L-0029/08 A N R 20060101 20051008 M EP

v. 8 adv : H04N-0005/76 A I L R 20060101 20051220 M JP

v. 8 adv : H04N-0005/765 A I L R 20060101 20051220 M JP

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v. 8 core: H04L-0029/08 C I R 20060101 20070721 M EP

v. 8 core: H04L-0029/08 C N R 20060101 20051008 M EP

v. 8 core: H04N-0005/76 C I L R 20060101 20051220 M JP

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US	A1	20030507	US	ASSIGNMENT
20030217057			AS	Assignee(s): NEC CORPORATION, JAPAN
				Effective Date: 20030424

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INTEREST;ASSIGNORS:KUROIWA, MINORU;IKEDA,  
KOUJI;REEL/FRAME:014045/0695  
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# Contents using method, contents using system, contents using program, and server and electronic device used in same system

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Inventor(s):

Applicant(s):

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- European: G06F17/30W9V; H04L29/06; H04L29/08N27R; H04L29/08N35

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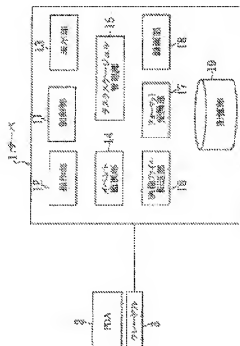
CN1460940 (A)

CN1303549 (C)

## Abstract of JP 2003339000 (A)

**PROBLEM TO BE SOLVED:** To make it possible to view one unit of contents by a video display device or a server by using simple operation and to utilize the server for other purposes without considering the transfer of image files to the video display device. ;

**SOLUTION:** The disclosed contents utilization method comprises a 1st step for storing contents in the server 1 on a date specified by a user, a 2nd step converting the quality of the contents by the server 1 in accordance with the storage capacity or display performance of a storage part and a display unit constituting a PDA 2, and a 3rd step for transferring the contents whose quality has been converted from the server 1 to the PDA 2 after checking connection between the server 1 and the PDA 2 ; **COPYRIGHT:** (C)2004,JPO



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